US-PAT-NO: 5313267

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TITLE: Method and instrument for
selecting personal compatible
                       colors

DATE-ISSUED: May 17, 1994

INVENTOR-INFORMATION:
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      STATE   ZIP CODE   COUNTRY
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APPL-NO: 08/ 021657

DATE FILED: February 22, 1993

PARENT-CASE:

    This application is a continuation of
application Ser. No. 07/818,448,
filed on Dec. 30, 1991, now abandoned, which is a
continuation of Ser. No.
402,815, filed on Aug. 24, 1989, now abandoned,
which is a
continuation-in-part of Ser. No. 306,286, filed
Feb. 2, 1989, now abandoned
which is a continuation of Ser. No. 204,938, filed
Jun. 6, 1988, now
abandoned which is a continuation of Ser. No.
904,369, now abandoned, filed

Sep. 8, 1986, now abandoned, which is a
continuation-in-part of Ser. No.
833,661, filed Feb. 21, 1986, now abandoned, which
is a continuation of Ser.
No. 514,618, filed Jul. 18, 1983, now abandoned.

US-CL-CURRENT: **356/405**, 356/421 , 434/100 ,
434/99

ABSTRACT:

    Skin coloration categories are identified based
upon blue and yellow
undertones of the skin using a color measuring
device, developing the Hunter b
value, utilizing that value alone to determine
which of several categories of
skin coloration a subject's skin exhibits.
Category selection is made by
comparison of measured Hunter b with ranges of
Hunter b value of skin color
categories. Instrumentation to effect the method
includes the color measuring
device, a central processing unit (CPU), memory
storing the ranges of Hunter b,
and an output device such as a printer, LCD, or
CRT. The skin color Hunter b
is calculated and compared to stored ranges to
assign a category. The output
device displays the category of skin color based
upon the central processing
unit's comparison. Colors compatible with skin
color categories are identified
or formulated based upon broad color family
designation, yellow, brown, red,
etc., and a comparison of measured and stored
ranges of known or specially
developed color characteristics for the particular
family.

87 Claims,   6 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 3

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Current US Original Classification - CCOR (1):
   356/405